

KIRAKOSYAN, G.A., assistant

Treatment of rheumatism in children with cortisone. Trudy Erev.
med.inst. no.11:301-304 '60. (MIRA 15:11)

1. Ju kafedry detskikh bolezney (zav. - dotsent S.G.Slkuni)
Yeravanskogo meditsinskogo instituta.
(CORTISONE) (RHEUMATIC FEVER)

CHERNAVSKIY, V.P.; KIRAKOSYAN, G.P.; BEL'KIND, M.B., inzh.,
retsenzent; ABRAGAM, S.R., inzh., red.; VOROB'YEVA, L.V.,
tekhn. red.

[Machinery for compacting embankments] Mashiny dlia uplot-
neniya nasypei. Moskva, Transport, 1964. 94 p.
(MIRA 17:3)

KIRAKOS'YAN G.S.

USSR.

Technical information on
a new machine for processing mustard seeds.
Vladimir N. Kravcov, Maslovoe Khimicheskoye Prav. 19, No.
10, Moscow, USSR. Results of experiments are presented showing the relation
between the amount of mustard seed, the amt. of milling, the
amount of pulp fed into the press, and yield of oil.
Vladimir N. Kravcov

TsNIKPP

KIRAKOS'YAN, L.

[Rail transportation in the U.S.S.R. during the last 40 years
(1917-1957); manual for lecturers] Zheleznodorozhnyi transport
SSSR za 40 let (1917-1957); posobie dlja lektorov. Leningrad,
1957. 35 p.
(Railroads--History) (MIRA 11:5)

AKOPYAN, S.A.; KIRAKOSYAN, L. Kh.

Characteristics and nature of toxic substances of the gastric
juice in radiation sickness. Izv. AN Arm. SSR. Biol. nauki 15
no.12:15-24 P'62 (MIR 17:8)

KIRYAKOV, N.G.; LUSARARYAN, V.S.; MEL'NIKOV, I.I.; PAVLENKO, V.P.

Discovery of new hosts for *Capitellum capitellum* (Annelida, Clad.)
Inv. All Arme. SSSR. Biol. Serv. Institute of Zoology.

I. Erryanzaya protivochetannaya strategiya.

1977-1980

24.4200

S/022/62/015/002/008/009
D218/D302AUTHOR: Kirakosyan, R.M.

TITLE: Quasi-static problem of a thin shell of zero moment and zero Gaussian curvature under the conditions of non-linear creep of the material

PERIODICAL: Akademiya nauk Armyanskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, v. 15, no. 2, 1962, 153-159

TEXT: The author discusses the quasi-static equilibrium of a thin shell of zero moment and zero Gaussian curvature. The shell is assumed to have a constant thickness h and is subjected to a time dependent external load. The main simplifying assumptions are: a) Stress and strain deviators have the same directions; b) The material is incompressible and the creep relations are

$$\Psi[\varepsilon_i(t)] = K_0 \varepsilon_i^p(t) = \sigma_i(t) - \int_{\tau_1}^t \sigma_i(\tau) \frac{\partial C(t, \tau)}{\partial \tau} d\tau, \quad (1.1)$$

Card 1/2

Quasi-static problem of a thin ...

S/022/62/015/002/008/009
D218/D302

where $\varepsilon_1(t)$, $\sigma_1(t)$ are the strains and stresses, $C(t, \tau)$ is a measure of the creep, $\Psi(\varepsilon_1)$ is a function characterizing the non-linear stress-strain relation, τ_1 is the age of the material and K_0 , μ , β are physical constants. This relation was given by N.Kh. Arutyunyan and Yu.N. Rabotnov. The static and geometric equations are assumed to be as given by A.L. Gol'denveizer. An integral expression is obtained for the components of the displacement of the mean surface. The analysis is then applied to the case of a hollow circular truncated cone with zero surface load. One end of the cone is fixed and the tangential displacement (along the surface) at the other end is given. A further special case which is discussed is that of a cylindrical shell subjected to a time dependent load. There are 2 figures and 6 Soviet-bloc references.

ASSOCIATION: Yerevanskiy gosudarstvennyy universitet (Yervan State University)

SUBMITTED: July 14, 1961
Card 2/2

REF ID: A65700

3/022/62/015/003/004/008
D234/D303AUTHOR: Kirakosyan, R.M.

TITLE: Relaxation problem of momentless shells of revolution

PERIODICAL: Naukodemiya nauk Armyanskoy SSR. Izvestiya, v.15, no.3, 1962, 70-76

TEXT: The shell is supposed to have a constant thickness. The relaxation problem is solved with the aid of the yield theory and separately with the aid of the ageing theory. The equations obtained are respectively $f = (1 + (m-1)t^*)^{-(m-1)}$ and $t^* = (1-\rho)/\rho^m$, ρ being a function essential in the expression for the stresses, m the creep index and t^* the dimensionless time. A circular conical shell is considered as an example; the result is the same as for a rod. There is 1 figure.

ASSOCIATION: Institut matematiki i mehaniki AN Armyanskoy SSR
(Institute of Mathematics and Mechanics, AS ArmSSR)

Card 1/2

Relaxation problem ...

S/022/02/015/003/004/008
D234/D308

SUBMITTED: January 5, 1962

(b)

Card 2/2

KIRAKOSYAN, R.M.

Relaxation problem of momentless shells of revolution.
Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 15 no.3:71-76 '62.
(MIRA 15:9)
1. Institut matematiki i mekhaniki AN Armyanskoy SSR.
(Creep of materials)

S/022/62/015:004/001-001

1028/1228

AUTHOR: Kirakosyan, R. M.

TITLE: Unsteady creep of a conical momentless shell of revolution

PERIODICAL: Akademiya nauk Armyanskoi SSR Izvestiya. Seriya fiziko-matematicheskikh nauk v. 15, no. 4, 1962, 49-53

TEXT: A shell is considered bearing a constant normal surface load and having one extremity fixed and the other extended by a constant magnitude in the direction of the generatrices. The equilibrium equations are derived and integrated. A non-linear algebraic equation obtained on the basis of the theory of aging for the arbitrary intergration function $C(t)$ appears in the solution of the equilibrium equations. An analytic expression is found for $C(t)$ under the assumption that the circular stresses exceed the instantaneous longitudinal ones; the general conditions under which this assumption is justified are established

ASSOCIATION: Institut matematiki i mekhaniki AN Arnyanskoi SSR (Institute of Mathematics and Mechanics of the Academy of Science of the Armenian SSR)

SUBMITTED: February 16, 1962

Card 1/1

KIRAKOSYAN, R.M. (Yerevan)

Equilibrium of zero-torque shells of rotation under conditions of
nonlinear creep of the material. Prykl.mekh. 9 no.2 126-132 '63.
(MIRA 16:3)

1. Institut matematiki i mekhaniki AN Armyanskoy SSR.
(Elastic plates and shells)

KIRAKOSYAN, R.M.

Creep of a spherical momentless shell. Izv. AN Arm. SSR. Ser.
fiz.-mat. nauk 16 no.1:55-61 '63. (MIRA 16:3)

1. Institut matematiki i mehaniki AN Armyanskoy SSR.
(Creep of materials)

KIRAKOSYAN, R.M.

Reducing the problem of creeping shells to an equivalent non-linear-elastic problem. Izv. AN Arm.SSR, Ser.fiz.-mat. nauk 16 no.5:47-57 '63. (MIRA 16:11)

1. Institut matematiki i mekhaniki AN Armyanskoy SSR.

ACCESSION NR: AP4010023

S/0022/63/016/006/0063/0073

AUTHOR: Kirakosyan, R. M.

TITLE: Creep of a cylindrical shell with arbitrary cross section stressed by normal internal pressure

SOURCE: AN ArmSSR. Izvestiya. Ser. fiz.-matem. nauk, v. 16, no. 6, 1963, 63-73

TOPIC TAGS: cylindrical shell creep, normal internal pressure, momentless theory of shells, successive approximation, cross section, boundary condition, statically determinate, statically indeterminate

ABSTRACT: On the basis of momentless theory of shells, the author studies statically determinate and indeterminate variants of the problem of creep of a cylindrical shell of arbitrary cross section, stressed by uniform internal pressure. In the first case he obtains a precise solution, while in the second case a solution is constructed on the basis of an instantaneous solution in the form of successive approximations. By analyzing the changes in intensity of tangent stresses he shows that in certain cases in the creep equations the true values of intensity can be replaced by its instantaneous values. Numerical examples are

Card 1/2

ACCESSION NR: AP4010023

given. Orig. art. has: 1 table and 55 formulas.

ASSOCIATION: Institut matematiki i mekhaniki AN Artyanskoy SSR (Institute of Mathematics and Mechanics, AN Armenian SSR)

SUBMITTED: 30Jan63

DATE ACQ: 03Feb64

ENCL: 00

SUB CODE: AP

NO REF Sov: 004

OTHER: 000

Card2/2

KIRAKOSYAN, R.M.

Problem of a nonlinearly creeping conical shell of revolution. Dokl.
AN Arm. SSR 37 no.3:151-156 '63. (MIRA 17:1)

1. Institut matematiki i mekhaniki. Predstavлено членом-корреспондентом AN Armyanskoy SSR S.A. Ambartsumyanom.

KIRAKOSYAN, R.M.

Creep of a cylindrical shell of arbitrary cross section
loaded with normal internal pressure. Izv. AN Arm. SSR. Ser.
fiz.-mat. nauk 16 no.6:63-'63. (MIRA 17:8)

1. Institut matematiki i mekhaniki AN ArmSSR.

KIRAKOSYAN, R.M.

Creep of a layer of glass-reinforced plastics in biaxial tension. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 18 no.1:
73-87 '65. (MIRA 1E:6)

1. Institut matematiki i mekhaniki AN ArmSSR.

ACC. NR: AP5028290 JD/MW/EM

REF ID: A6513651 // AWP(K) / EWP(b) / EWA(h) / ETC(m)

SOURCE CODE: UR/0022/65/018/005/0039/0047

AUTHOR: Kirakosyan, R. M.

ORG: Institute of Mathematics and Mechanics, Academy of Sciences, AN Armenian-SSR
(Institut matematiki i mekhaniki AN Armyanskoy SSR)

TITLE: On an approximate method (within the scope of the theory of aging) for
solving the creep problems of membrane-stressed shells

SOURCE: AN ArmSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, v. 18, no. 5,
1965, 39-47

TOPIC TAGS: creep, shell, creep, membrane stressed shell, time variable elasticity
parameter

ABSTRACT: The mathematical tools of the theory of aging are used in discussing the
unsteady creep of solids. The modified equations of that theory for components of
the total strain are used as initial ones, and it is shown that the study of creep
behavior of a solid can be reduced to analysis of the stress-strain relations in an
inhomogeneous isotropic linearly elastic solid whose parameters of elasticity (modulus
E and Poisson ratio V) vary with time. It is also shown that this proposed method of
"variable elasticity parameters" can be successfully applied in studying the creep
behavior of framework systems and of membrane-stressed shells. The creep and relaxa-
tion of a shell of revolution of symmetrical sandwich construction is discussed as

Card 1/2

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KIRAKOSYAN, V.K. (Moskva)

Utilization of a uniform method of clothing design in the
made-to-order system of production. Shvein. prom. no.2:14
Mr-Ap '63. (MIRA 16:8)

(Clothing industry)

KIRAKOSYAN, Z. A.

KOCHARYAN, H.M.; AYVASYAN, M.T.; KIRAKOSYAN, Z.A.; KAYTMASOV, S.D.

Investigating the spectrum of meson masses at an altitude of 1000m.
above sea level. Dokl. AN Arm. SSR. 15 no.2:33-39 '52.

(MLRA 9:10)

1. Institut fiziki Akademii nauk Armyanskoy SSR. Predstavлено A.I.
Alikhanyanom.

(Mesons)

KIRAKOSYAN, Z. A.

Nuclear Science Abstracts
July 15, 1954
Physics

INVESTIGATIONS OF THE STRUCTURE OF COSMIC RAYS
AT 1000 m ABOVE SEA LEVEL. N. M. Kocharyan, G. S.
Shakyan, M. T. Almayan, Z. A. Kirakosyan, and S. D.
Baltmanayev. Zhur. Eksppl' i Teoret. Fiz., 23, 532-43 (1952)

Nov. (In Russian)

An experimental investigation of the structure of cosmic rays at a height of 1000 m showed that the total number of π mesons stopped in an interval range of $32.3 < R < 36.4$, $36.4 < R < 38.8$, and $38.8 < R < 47$ g/cm², whereas less than 5% of the total number of μ mesons stopped in the same range. The ratio of the number of protons with nonionizing paths in the given ranges to the number of protons having ionized paths is equal to 0.52, 0.60, and 0.68. For the interval range $30 < R < 38.5$ g/cm² a theoretical determination gives the value ~0.5. Analogous determinations of the relative number of π mesons in the same intervals gives the values 1.8, 0.87, and 0.42 for γ equaling 1.5, 2, and 3. γ is the exponential ratio in the experimental spectra π^+/π^- mesons. (J.S.R.)

KIRAKOSYAN, Z. A.

Cosmic Rays, Secondary Cosmic Radiation (226)
Dokl. AN Arm. SSR, Vol 16, No 2, 1953, pp 39-43. "Angular Distribution of Protons."

The magnetic mass-spectrometer (A. Alikhanyan, A. Alikhanov, A. Vaysenberg. Dokl. AN Arm. SSR, Vol 5, 1946, p 129) was used to study the angular distribution of protons of cosmic rays at 3200 meters above sea level in the interval of zenith angles (θ_{zen}) from 0 to 45° . Employing the dependence of the intensity of the particles upon the angle theta in the form $y = y_0 \cos^n \theta$, the authors found that for protons with momenta from $7 \cdot 10^8$ ev/c, $n = 6^\circ$ approximately; and for protons with momenta greater than $8 \cdot 10^8$ ev/c, $n = 3$. No azimuthal asymmetry of the protons was observed. Harder mesons have smaller n than protons for the same interval.

SO: Referativnyy Zhurnal--Fizika, No 1, Jan 54 ;(W-30785, 28 July 1954)

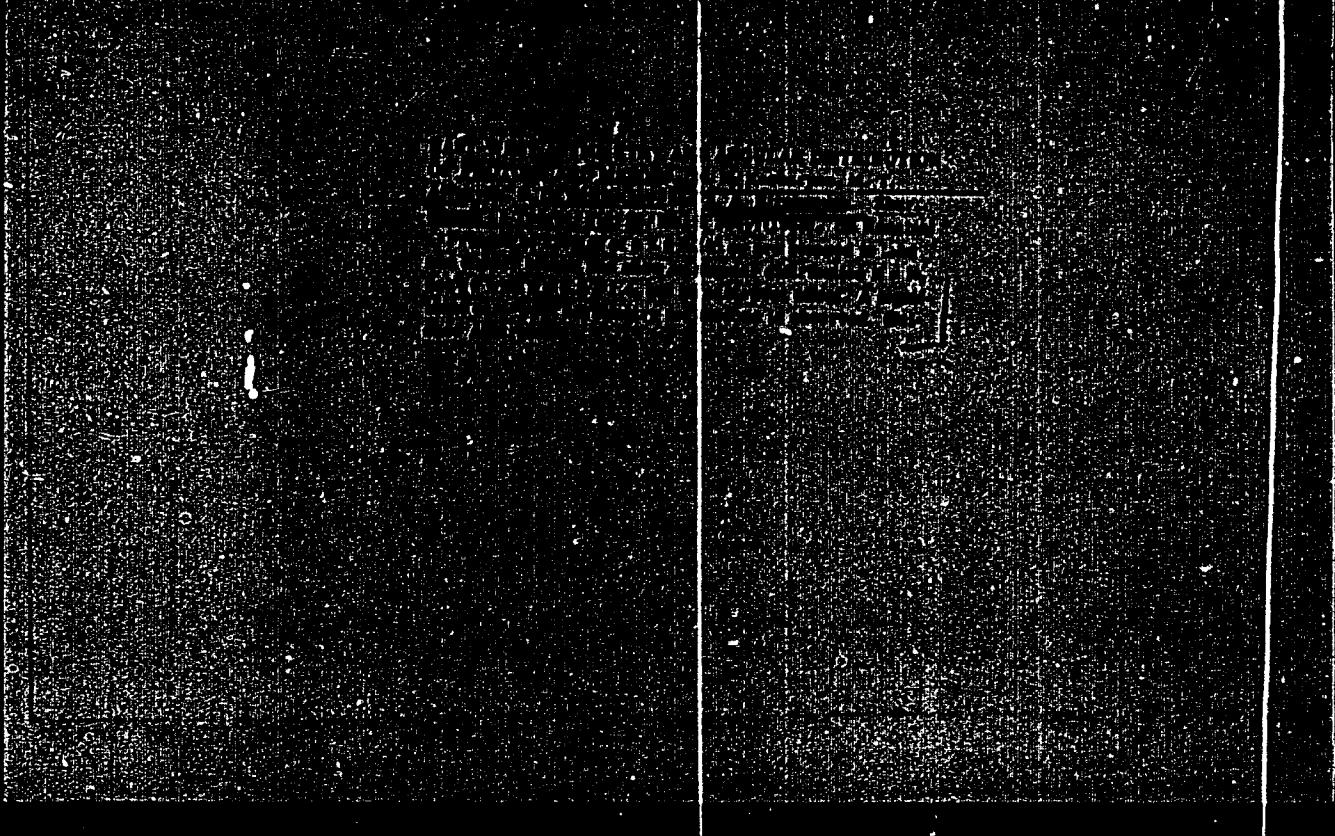
KOCHARYAN, N.M.; AYVAZIAN, M.T.; KIRAKOSYAN, Z.A.; KAYTMASOV, S.D.

Spectra of proton impulses at 3200 m. altitude above sea level.
Dokl. AN Arm. SSR 17 no.2:33-37 '53. (MIRA 8:2)

1. Fizicheskiy institut Akademii nauk Armyanskoy SSR. Predstavleno
V.A.Ambartsumyanom.
(Protons)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722610011-1



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722610011-1"

KIRAKOSYAN, Z.A.

3
3
3

SPECTRA OF ELECTRON AND PROTON FORMATION IN
GRAPHITE. N. M. GURZADIAN, G. M. KARABYAN, M. T.

ALEXANDROV, A. V. GUMENYUZ, and G. M. ALIBAEVICH.

ULTRAVIOLET SPECTRA. J. R. ALLEN, P. H. BROWN,

and R. L. COOPER. (Continued from p. 104.)

The measurements were made with a magnetic spectrometer with the magnetic field of 1.5 GAGAM at 7100 Oe. A detailed account of the spectrometer, the tables of 300 absorption measures, the spectra of both e-spectra and the experimental data of 1600 observed protons with energies $E > 0.05$ Mev, generated by the bremsstrahlung in the layer of 7.3 g/cm² graphite + 0.34 g/cm² copper (umber walls) are given. The proton spectrum in the impulse of $p = 20$ ev/c and the energy spectra of protons and negative π -mesons generated on graphite absorber are also shown. (B.V.J.)

Revd 8/27

KIRAKOSYAN, Z.A.

1001-8m

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ENERGY SPECTRUM OF PROTONS AT 5500 m ABOVE SEA
LEVEL

L.V.Y., Z.A. Kirakosyan, G. S. Alyan, M. T. Alyan,

Z.G. Hirkachyan, and G. E. Aghazyan (Armenian Inst.

Atomenergoprom, Erevan, Akad. Nauk S.S.R. Ser. Fiz. 10, 515-

10/1966) Note - Oct. 10 Received

Spectrum of protons in the impulse range of $p < 3$ Bev/c was determined in previous works. With high impulses the copper absorbers located under the magnetic clearance prevented the direct separation of the proton beam from the π -meson beam. Nevertheless, this division was obtained indirectly by investigations of the interaction of the particles in the absorbers and the observation of the phenomena that π mesons do not interact with nuclei while the protons do. The measurements were taken under the magnetic clearance from six copper absorbers with total surface density of 178 g/cm², a meson which stopped in these absorbers had impulse of $p = 0.4$ Bev/c. Protons with $p = 1.1$ Bev/c impulses were stopped because of ionization, but with large impulses they moved because of interatomic interactions. (N.V.)

KIRAKOSYAN, Z.A.

KOCHARYAN, H.H.; AYVAZYAN, V.T.; KIRAKOSYAN, Z.A.; ALEKSANYAN, A.S.

Impulse spectrum of μ -mesons at an altitude of 3200 meters above sea level. Dokl. AN Arm. SSR. 20 no.5:169-175 '55. (MLRA 8:7)

1. Institut fiziki Akademii nauk Armyskoy SSR. Predstavлено A.L. Shaginyanom. (Mesons)

Kirakosyan, Z. A.
USSR/Nuclear Physics - Elementary Particles

C-3

Abst Journal : Referat Zhur - Fizika, No 12. 1956, 33922

Author : Mocharyan, N. M., Saakyan, G. S., Ayvazyan, M. D.,
Kirakosyan, Z. A., Aleksanian, A. S.

Institution : Institute of Physics, Academy of Sciences Armenian SSR

Title : Nuclear Interaction of π^- -Mesons in Copper

Original

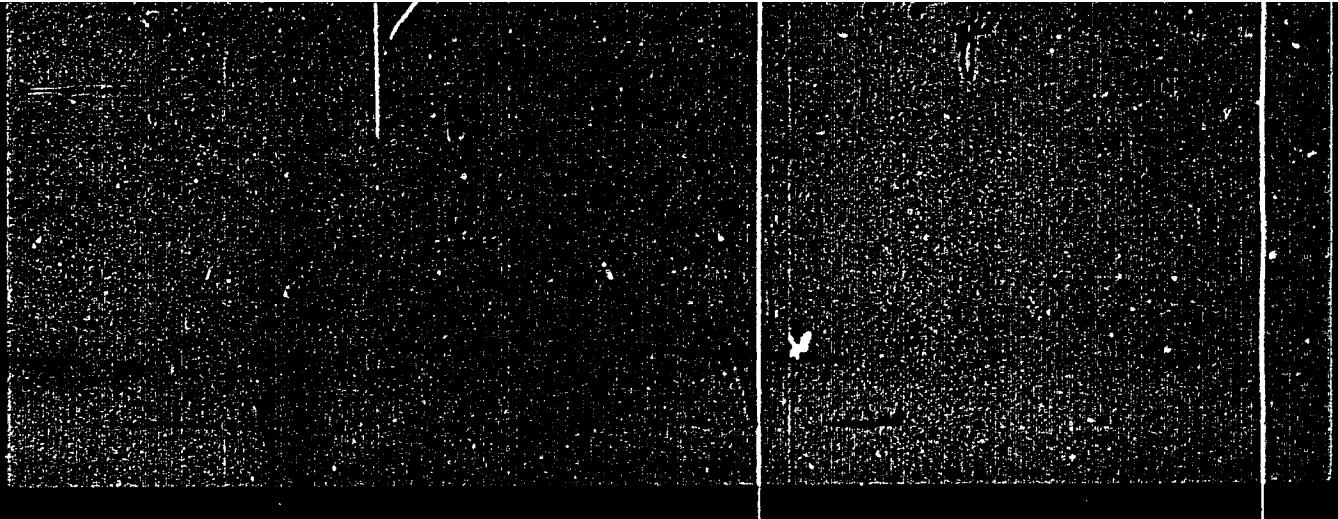
Periodical : Dokl. AN SSSR, 1955, 105, № 6, 1204-1207

Abstract : A magnetic spectrometer was used to study the spectra of creation of π^- -mesons, generated in copper absorbers at an altitude of 3,250 m. Approximately 500 π^- -mesons with a total energy exceeding 510 Mev were recorded. The energy spectrum of the resulting π^- -mesons can be approximated by a power law with an index $\gamma = 2.2$. The magnitude of the interaction cross section of π^- -mesons with copper nuclei turned out to be weakly dependent on the energy and close to its geometrical value.

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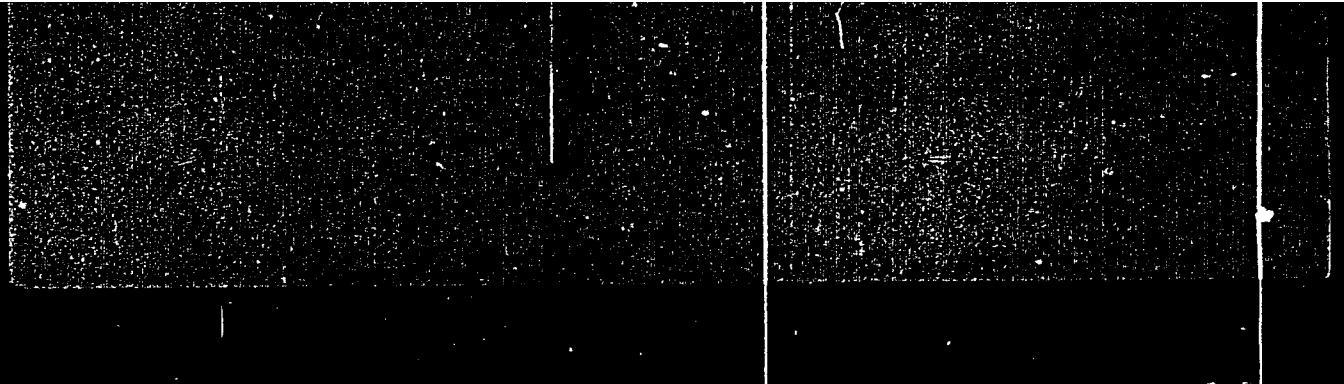


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"APPROVED FOR RELEASE: 09/17/2001

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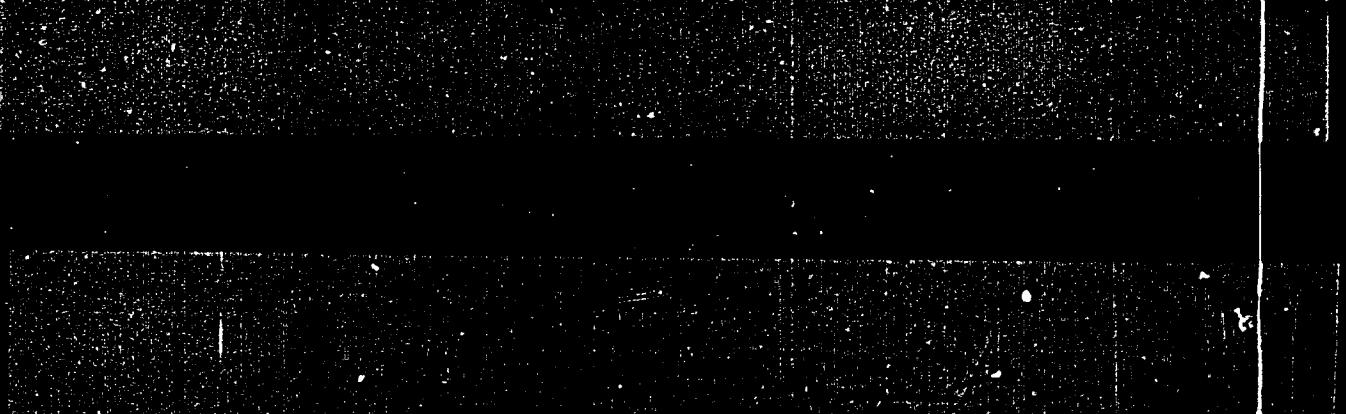


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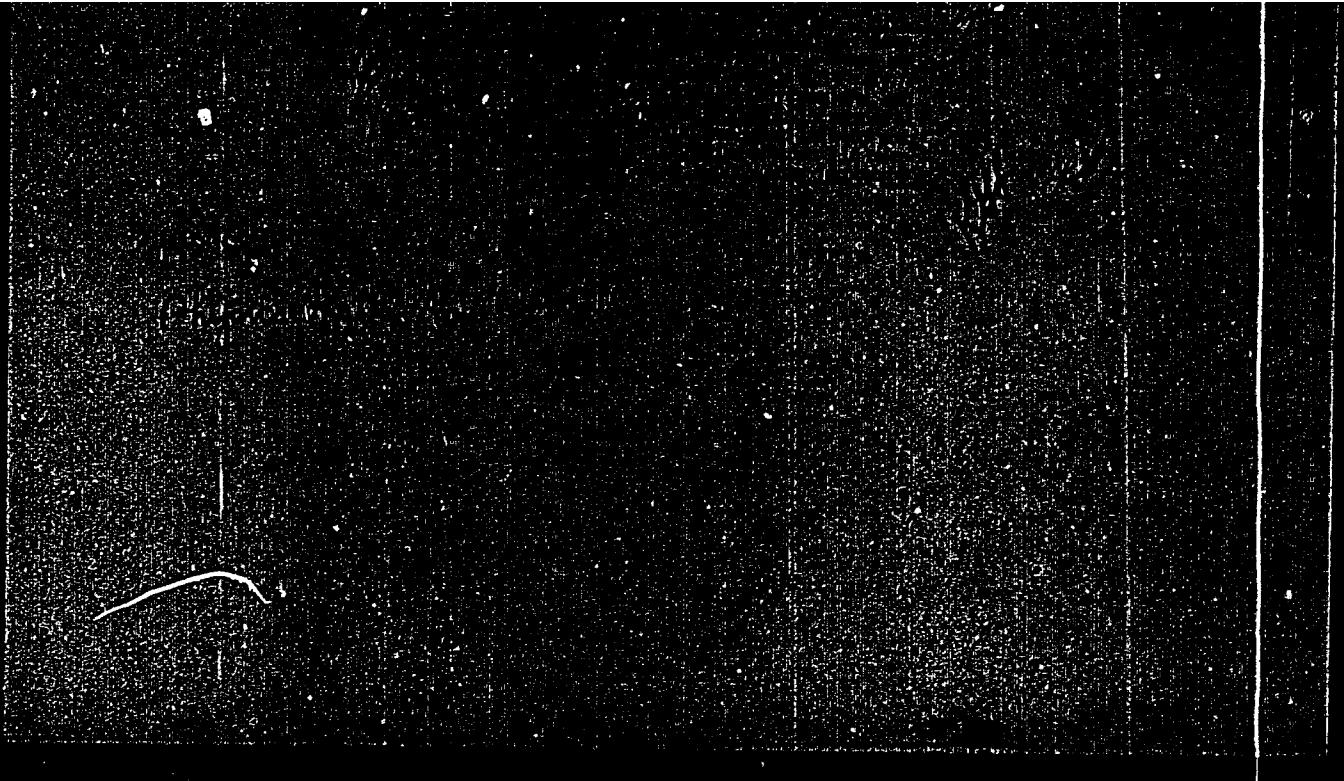


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CIA-RDP86-00513R000722610011-1"

KIRAKOSYAN, Z.-A.

Category : USSR/Nuclear Physics - Cosmic Rays
Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 648

C-7

Author : Kocharyan, N. M., Sasyan, G. S., Ayvazyan, M. T., Aleksanyan, A. S.,
Kirakosyan, Z. A.

Title : Nuclear Interactions of High Energy Protons in Copper

Inst : Phys. Inst. Arm. SSR Acad. of Sciences

Orig Pub : Dokl. AN SSSR, 1956, 107, No 5, 668-670

Abstract : A cosmic ray spectrometer was used to determine the cross sections of interactions between protons with an average energy of 12 Bev and copper nuclei:

<u>Energy range, Bev</u>	<u>Cross Section, Barns</u>
0,91-1,38	0,755 0,14
1,38-2,38	0,676 0,07
2,38-5,50	0,750 0,09
5,50-oo	0,01 0,19

The authors determined earlier that for π -mesons the cross section equals the geometric cross section for energies greater than 1 Bev.

Card : 1/1

KIRAKOSYAN, Z. A., Cand of Phys-Math Sci -- (diss) "Study of proton and pi meson components of cosmic rays at a height of 3,200 meters above sea level." Tbilisi, 1957, 10 pp (Tbilisi State University im I. V. Stalin), 100 copies (KL, 31-57, 103)

ALIKHANYAN, Z. A.

SAAKYAN, G.S.; KIRAKOSTYAN, Z.A.; ALEKSANYAN, A.S.

Energy spectrum of protons at 3200 meters above sea level.
Dokl. AN Arm. SSR 24 no. 3:97-104 '57. (MLRA 10:5)

1. Fizicheskiy institut Akademii nauk Armyanskoy SSR. Predstavлено
A.I. Alikhanyanom.
(Protons) (Spectral analysis)

21(0)

SOV/56-35-6-3/44

AUTHORS: Kocharyan, N. M., Saakyan, G. S., Kirakosyan, Z. A.

TITLE: Energy Spectra and Nuclear Interactions of Cosmic Ray
Particles (Energeticheskiye spektry i yadernyye vzaimodeystviya
chastits kosmicheskogo izlucheniya)PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35,
Nr 6, pp 1335-1349 (USSR)ABSTRACT: In the present paper the authors published results obtained by
their investigations of cosmic particles carried out in 1953-1956
at the laboratory of the Aragats mountain station (3200 m above
sea level). The energy spectra of muons and protons were in-
vestigated by means of a magnetic spectrometer (Fig 1). The
accuracy of momentum measurement was great compared with that of
previous measurements (Refs 1,2). The energy distribution of protons
and muons (nuclear interaction in C-, Cu, and Pb-absorbers) up to
100 Bev was investigated. Experimental results are shown in detail
by tables. Those obtained by the two series of experiments carried
out for the purpose of determining muon energy distribution are
given by tables 1 and 2. Figure 2 shows the differential and integral
energy spectra within the range of 1 - 100 Bev (diagram). For $E > 4$ Bev
the following applies with respect to muon energy distribution:

Card 1/3

SOV/56-35-6-3/44

Energy Spectra and Nuclear Interactions of Cosmic Ray Particles

$$n_\mu(E)dE = 0.5(E+5)^{-3}dE \quad (\text{for } E < 2 \text{ Bev see reference 2}).$$

The proton energy spectrum was also investigated, but in four series of experiments, and the following was obtained for $E > 3$ Bev:

$$n_p(E)dE = 3.2 \cdot 10^{-3}(2+E)^{-2.8}dE$$

Here E denotes the kinetic energy of protons in Bev. Details of the investigations are given by tables 3 and 4. Figure 3 shows the course of the differential proton energy spectrum (diagram). Further, the inelastic nuclear interaction cross sections of pions and protons in copper, graphite, and lead were investigated. Results are shown by table 5 (for π^- -mesons in copper; with increasing energy accuracy decreases sharply). Table 6 shows the same for particles with a positive charge. Table 7 shows the results of cross section measurements for π^- -mesons in copper, table 8 the total inelastic interaction cross sections for protons in copper. Tables 9 and 10 give the results obtained by investigations of inelastic cross section measurements for π^- -mesons and protons respectively in lead.

Measuring results lead to the following conclusions:

- 1) The inelastic nuclear interaction cross sections of pions and protons within the energy range of 1 to several 10 Bev are equal

Card 2/3

SOV/56-35-6-3/44

Energy Spectra and Nuclear Interactions of Cosmic Ray Particles

and independent of energy within the limits of measuring accuracy.
2) For a geometric cross section in matter of $\sigma_0 = (1.4 \cdot 10^{-13} \text{ A}^{1/3})^2$
(the nucleus does not behave as a black body with respect to pions
and protons with $E > 1$ Bev) $\sigma_a = 0.65 \sigma_0$ holds for graphite,
 $\sigma_a = 0.75 \sigma_0$ for copper, and $\sigma_a = 0.9 \sigma_0$ for lead.- There are
3 figures, 10 tables, and 23 references, 7 of which are Soviet.

ASSOCIATION: Fizicheskiy institut Akademii nauk Armyanskoy SSR
(Physics Institute of the Academy of Sciences, Armyanskaya SSR)

SUBMITTED: June 7, 1958

Card 3/3

KIRAKOSYAN, Z. A.

"Energy spectrum of cosmic radiation" Protons
Z. A. Kirakosyan, N. M. Kocharyan, G. S. Saakyan

In 4 independent experiments, the proton spectrum from 40 Mev to 66 Bev was measured at an altitude of 3200 m above sea level by means of the Alikhanyan-Alikhanov magnetic spectrometer.

In the energy range E 3Bev, the differential spectrum is approximated by the following power function:

$$N(E) dE = 3.2 \times 10^{-3} (2+E)^{-2.8} dE,$$

where E is the proton kinetic energy expressed in Bev. The obtained spectrum is compared with the primary radiation spectrum.

report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959

KOCHARYAN, N.M.; KIRAKOSTYAN, Z.A.; SHAROVAN, E.J.; PIKALOV, A.P.

Polarization of π^+ -mesons of cosmic radiation under the earth. Dokl.
AN Arm. SSR 29 no.1:17-21 '59. (MIRA 12:11)

1. Fizicheskiy institut Akademii nauk Armyanskoy SSR. 2. Chlen-korrespondent AN Armyanskoy SSR (for Kocharyan).
(Mesons)

KIRAKOSYAN, Z. A.

- PAGE 1 R&D INFORMATION
International Council for Calibration. Moscow, 1959.
Proceedings, Vol. III. Moscow, 1960. 253 p. Printed by Intered. No. 27
Sponsoring Agency: International Union of Pure and Applied Physics, Comite
des Comitees.
- No. 1. REPRESENTATIVE EDITORIAL BOARD: G. B. Balashov (Ed.-in-Chief), I. P.
Kondratenko (Assistant Ed.-in-Chief), N. M. Gordeev, A. I. Kuznetsov, V. V.
Nikitin, B. L. Shchegolev, I. S. Dement'ev, V. P. Tolokov, S. I. Sverdlov, V. M.
Peshkov, Yu. R. Borodkin, and A. T. Kostylev.
- PURPOSE: This book is intended for physicists, engineers and other scientists
concerned with the effects of radiation fields and sources of gamma,
neutron, beta or X-ray fields on biological materials. The procedures of
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no reports on the effects of radiation fields and primary particle radiation. The
research followed by Soviet scientists on different fields. References
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gamma atmosphere and gives a detailed description of the equipment
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12. REPORTER: G. B. Balashov. On the Problem of the Nature of Beta Radiation in the
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Radiation in Relation to Problems in the Environment, Incorporating
Topics on the Ionizing Radiation in Medicine. In: Radioactive
Materials and their Effects on Human Health. In: Proceedings of
the Fourth Conference on the Properties of the Atmosphere in Relation to the Properties of
the Human Body and Radiation.
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79-65
13. REPORTER: G. B. Balashov. On the Nature of the External Radiation Field of the
Earth. Paper presented at the available data on sources of soft
radiation in the atmosphere and ionosphere. The nature of the
radiation in relation to problems in the environment, incorporating
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Earth. It is shown that the external radiation field containing the
soft radiation is not nuclear origin, but that the explanation of the capture
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experiments. The full work has been published in Russian in
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energies. Zhur. eksp. i teor. fiz. 38 no.1:18-21 Jan '60.
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KIRAKOSYANTS, G. A.

PA 18T22

USSR/Turbines - Controls
Hydrodynamics

Aug 1947

"Hydrodynamic Regulation of the Siemens-Schuckert
Turbine," G. A. Kirakosvants, Steam Turbine Laboratory
of the VTI, 4 pp

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Discusses hydrodynamic regulation of Siemens-
Schuckert turbine and the results of experimental in-
vestigation of the processes of regulation. Diagram
of regulators and graphs of experimental results.

18T22

KIRAKOSYANTS, G. A.

USSR/Engineering
Regulators
Turbines, Steam

Oct 1947

"Regulation with a Flexible Feedback Circuit," V. N. Veller, Candidate in Technical Sciences, G. A. Kirakosyants, Engr, Steam Turbine Laboratory, 5 pp

"Iz VTI" No 10

On the basis of theoretical and experimental research the article shows the advantage of a network with a flexible feedback circuit over those with rigid feedback circuits.

IA 29T37

VELLER, V.N.; KIRAKOSTANTS, G.A., redaktor; LARIONOV, G.Ye, tekhnicheskiy
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D.M., inzhener.

Reconstructing the hydro-dynamic regulating system of an AK-25-1 turbine.
Elek.sta. 24 no.11:9-12 N '53.
(Turbines) (Governors (Machinery))
(MLRA 6:11)

KIRAVOSYATI, V. A.,(UNK)

Dissertation: -- "Experimental Investigation of the Effect of Infiltrabilities on Transient Processes of Heat Transfer." Cand Tech Sci, All-Union Order of Labor Rep. Hammer Sci Res Inst. Engineering Inst. Inst. P. A. Dzerzhinsky, 16 Jun 74.
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DO: Sun 317, 13 Dec. 1974

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Steam turbine control with water as the working medium. Teploenergetika 3 no.12:25-26 D '56. (MLRA 9:12)

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(Steam turbines) (Automatic control)

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DOV 1 BOOK INFORMATION

Universitaetsteilung Industrielle Mechanik und Mechanische
Werkstofftechnik der Gottlieb-Daimler und Karl-Benz-Fakultät
Collection of Articles) Moscow, Gosizdatpolz, 1952, 250 pp., 15x22 cm.
series, 1,550 copies printed.

Ms. title pag. 1) Dr. M. N. Kholostova, Professor, and 2) Dr. V. P. Tikhonov, Associate Professor, Institute of
Engineering Mechanics, Academy of Sciences USSR, Leningrad.
Editorial Tech. Ed. P. M. Aranov.

Report: the book is intended for engineers specializing in the
design of turbine equipment.

Comments: Main collection of 22 articles deals with strength calculations
and particularly mechanical parts of turbines, their performance,
the construction of optimal methods for calculating them, the
design and a number of methods for calculating them, the
problems for predicting critical speeds, the design of
turbine hollow shafts of the turbines.

2) 1) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
Institute of Engineering Mechanics, Academy of Sciences USSR, Leningrad.
Editorial Tech. Ed. P. M. Aranov.

2) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
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Institute of Engineering Mechanics, Academy of Sciences USSR, Leningrad.

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14) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
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16) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
Institute of Engineering Mechanics, Academy of Sciences USSR, Leningrad.

17) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
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18) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
Institute of Engineering Mechanics, Academy of Sciences USSR, Leningrad.

19) Dr. V. P. Tikhonov, Professor, Head of the Scientific-Research Department of the
Institute of Engineering Mechanics, Academy of Sciences USSR, Leningrad.

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LAPUZIM, V.S., inzh.; LEVIE, D.M., inzh.; ROZHANSKIY, V.Ye., inzh.;
RULLIT, R.A., inzh.; FRIDMAN, A.Ye., inzh.

Water system for the regulation of the K-150-130 turbine developed
by the Kharkov Turbo-Generator Plant. Teploenergetika 9 no.11:10-
17 N '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy teplotekhnicheskiy institut
i Khar'kovskiy turbogeneratorskiy zavod.
(Kharkov--Steam turbines) (Hydraulic servomechanisms)

GUTKIN, I.A., inzh.; SHIFRIN, Ye.L., inzh.; GOL'DZAND, L.D., inzh.;
KIRAKOSYANTS, G.A., kand.tekhn.nauk.

Hydraulic system of control and protection of the OSPT-1150 turbine
pump. Energomashinostroenie 9 no.9:11-14 S '63. (MIRA 16:10)

VELLER, V.N., doktor tekhn.nauk; KIRAKOSYANTS, G.A., kand.tekhn.nauk; LEVIN,
D.M., inzh.

Water system for steam turbine control. Energetik. 13 no.4:6-9
Ap '65. (MIRA 18:6)

L 22734-66 ENI(d)/EMP(f)/EPF(n)-2/EMP(v)/T-2/EM(k)/EMP(h)/EMP(1)/ETC(m)-6
ACC NR: AP6002868 (N) SOURCE CODE: UR/0286/65/000/024/0027/0028

AUTHORS: Veller, V. N.; Kirakosyants, G. A.; Levin, D. M.

ORG: none

TITLE: Method for regulating steam or gas turbines. Class 14, No. 176926 /announced by All-Union Heat Technology Institute (Vsesoyuznyy teplotekhnicheskiy institut)

SOURCE: Byulleten' izobretens' i tovarknykh znakov, no. 24, 1965, 27-28

TOPIC TAGS: gas turbine, steam turbine, turbine control, servomotor

ABSTRACT: This Author Certificate presents a method for regulating steam or gas turbines equipped with main servomotors (with cut-off valves) and intermediate servomotors (with control valves) by supplying condensate to the intermediate servomotors. To increase reliability, a mixture of feed water and of condensate (for example, in the water-water ejector) is supplied to the main servomotors (see Fig. 1). To increase speed of response and to reduce servomotor size, a second design supplies the main servomotors of the regulating and cut-off valves with feed water which acts in the direction of closing.

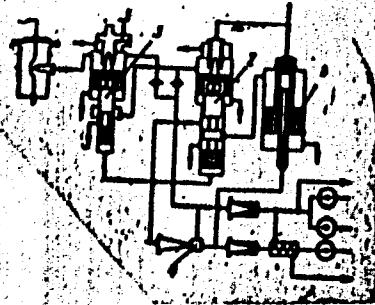
Cord 1/2

UDC: [621.165+621.438] -546—522

L 22734-66

ACC NR AP6002868

Fig. 1. 1 - Main servomotor; 2 - cut-off valve;
3 - intermediate servomotor with control
valve; 4 - water-water ejector.



Orig. art. has: 1 figure.

SUB CODE: 10 SUBM DATE: 20Aug64

Card 2/2

KIRAKOS'YANTS, M.; SHAKHBAZYAN, R.

Using the MKh latex for leather finishing. Prom. Arm. 6 no.6:
39-41 Je '63. (MIRA 16:8)

(Eriyan--Tanning materials)

KASPAR'YANTS, S., inzh.; KIRAKOSYANTS, M., inzh.

Use of latex in the leather industry. Prom.Arm. 4 no:6:38-40
Je '61. (MIRA 14:8)
(Latex) (Armenia--Leather industry)

KIRAKOS'YENTS, M.Kh., aspirant; STRAKHOV, I.P., doktor tekhn. nauk, prof.

Studying the reactions of synthetic high-molecular substances
with aluminum sulfate compounds. Nauch. trudy MTILP no.30:
26-33 '64. (MIRA 18:6)

1. Kafedra tekhnologii kozhi i mokha Moskovskogo tekhnologicheskogo
instituta legkoy promyshlennosti.

L 39361-66 LWT(m)/EVP(t)/ETI IJP(c) JD

ACC NR: AP6019948

(A)

SOURCE CODE: UR/0323/66/000/001/0068/0072

AUTHOR: Kirakos'yants, M. Kh. (Candidate of Technical Sciences); Strakhov, I. P.
(Prof.; Dr. of Technical Sciences)

ORG: Leather and Fur Technology Department, Moscow Technological Institute of the
Light Industry (Kafedra tekhnologii kozhi i mokha Moskovskogo tekhnologicheskogo
instituta legkoy promyshlennosti)

TITLE: Study of the tanning effect of modified sulfate complexes of aluminum

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 1, 1966, 68-72

TOPIC TAGS: aluminum compound, complex molecule, tanning material, gelation.

ABSTRACT: The nature of the chemical bonding and of the tanning effect of aluminum complexes in their interaction with gelatin was studied on modified complexes. The tanning capacity of the latter was characterized by the melting point of the tanned gelatin gel and by its stability to the action of concentrated HCl. Tartrate, citrate, oxalate, and lactate aluminum complexes were tested. The introduction of modified aluminum complexes into the gelatin solutions produced coagulation of diverse character which varied with the type of aluminum complex and its concentration. Three types of variations were observed: (1) formation of gel with negligible coagulation, (2) gelation with marked coagulation (melting point no higher than

Card 1/2

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ACC NR: AP6019948

0

90°C), and (3) gelation with marked coagulation (a markedly higher melting point ranging from 105 to 110°C). The coagulation and gelation effects on the gelatin solution as functions of the modified aluminum complex introduced decrease in the following order: tartrate > citrate > lactate > oxalate > complex without organic agent. The stability of the γ -gelatin gel to HCl increases in the following sequence: aluminum sulfate without organic agent < oxalate < lactate < citrate < tartrate. As the tanning capacity of a complex increases, so does its ability to coordinate the functional groups of the protein, and thus a three-dimensional protein structure stable to aggressive media (HCl) is formed. Orig. art. has: 1 figure and 1 table.

SUB CODE: 07,11/ SUBM DATE: 20Aug65/ ORIG REF: 004

Card 2/2 vmb

KIRAKOZOVA, N. A.

Cand Bio Sci, Diss -- "Results of a study of the bioecology of the grape leaf roller (*Sparganothis pilleriana* Schiff) and development of measures for combating it". Tbilisi, Publishing House of the Georgian Agricultural Institute, 1961. 22 pp, 21 cm (Min of Agr Georgian SSR. Georgian Order of Labor Red Banner Agr Inst), 180 copies, No charge (KL, No 9, 1961, p 179, No 24309). 760-558707

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DLC: TJ795.K53

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Remont i montazh statcionarnykh dvigatelei vnutrennego sgoraniia.
2 dop. izd. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. i
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(Gas and oil engines—Repairing)

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KULIKOVSKIY, Pavel Pavlovich, kand.tekhn.nauk; SHVETSOV, Petr Dmitriyevich, prof.; SEMENOV, Aleksandr Sergeyevich, iots.; MOZER, V.P., prof.. retsenzent; SAYKOVSKIY, M.I., kand.tekhn.nauk, retsenzent; KIRAKOVSKIY, N.F., dots.. red.; TSITKIN, S.I., kand.tekhn.nauk, red.; ROMANOVSKIY, I.A., inzh., red.; SERDYUK, V.K., inzh., red. izd-va; RUDENSKIY, Ya.V., tekhn.red.

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